

Claims

1. A laminated resin film characterized by at least one polyvinyl butyral film and at least one fluorine resin film which are laminated, wherein the fluorine resin film is bonded to the adjacent polyvinyl butyral film using an adhesive.

2. The laminated resin film according to claim 1, characterized in that the at least one polyvinyl butyral film has a total thickness of 0.3 mm to 2.5 mm and the at least one fluorine resin film each has a thickness of 0.05 mm to 2 mm.

3. The laminated resin film according to claim 1 or 2, characterized in that the at least one fluorine resin film comprises two fluorine resin films each of which constitutes one of both sides of the laminated resin film.

4. The laminated resin film according to claim 3, characterized by an adhesive layer formed on each surface of the two fluorine resin films.

5. The laminated resin film according to claim 4, characterized in that the adhesive layer comprises an adhesive containing a silane coupling agent.

6. The laminated resin film according to claim 1 or 2, characterized in that the at least one polyvinyl butyral film comprises two polyvinyl butyral films each of which constitutes one of both sides of the laminated resin film.

7. The laminated resin film according to claim 1 or 2, characterized by a fluorine resin film and a polyvinyl butyral film which are laminated.

8. The laminated resin film according to any one of claims 1 to 7, characterized in that the fluorine resin film comprises a tetrafluoroethylene-hexafluoropropylene-vinylidene fluoride ternary copolymer.

9. A laminated glass characterized by the laminated resin film according to any one of claims 1 to 8 and two glass plates respectively laminated on both sides of the laminated resin film.

10. The laminated glass according to claim 9, characterized in that the two glass plates are made of soda-lime glass or borosilicate glass.

11. (Amended) A laminated glass comprising at least two non-tempered float glass plates and at least one resin interlayer film which are bonded, the resin interlayer film being formed of a resin other than silicone resin, the laminated glass being characterized in that at least one of the glass plates is a non-tempered borosilicate glass plate.

12. The laminated glass according to claim 11, characterized in that the resin interlayer film is a tetrafluoroethylene-hexafluoropropylene-vinylidene fluoride ternary copolymer film.

13. The laminated glass according to claim 11, characterized in that the resin interlayer film comprises a polyvinyl butyral film and a tetrafluoroethylene-hexafluoropropylene-vinylidene fluoride ternary copolymer film which are laminated.

14. The laminated glass according to claim 11, characterized in that the resin interlayer film comprises a

polyethylene vinyl acetate film and a tetrafluoroethylene-hexafluoropropylene-vinylidene fluoride ternary copolymer film which are laminated.

15. The laminated glass according to claim 11, characterized in that the resin interlayer film is a polyvinyl butyral film.

16. The laminated glass according to claim 11, characterized in that the resin interlayer film is a polyethylene vinyl acetate film.

17. The laminated glass according to claim 11, wherein the resin interlayer film is subjected to flame retardant treatment.

18. The laminated glass according to claim 12, wherein the resin interlayer film is subjected to cross-linking treatment.

19. The laminated glass according to claim 13 or 15, wherein a phosphorus flame retardant is added to the polyvinyl butyral film.